

# PATENT ABSTRACTS OF JAPAN

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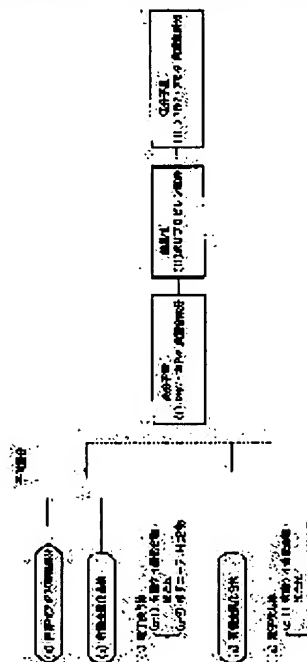
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## (54) PROPYLENE BLOCK COPOLYMER, AND ITS PRODUCTION AND USE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce a propylene block copolymer which is excellent in rigidity and impact resistance, and excellent particularly in injection molding characteristics and can produce an injection-molded article scarcely showing flow marks and hard spots and excellent in appearance, and to provide its use.

**SOLUTION:** This copolymer contains 2-36wt.% 64° C-decane-solubles which contain 20-55mol% units derived from ethylene and of which the ratio of the viscosity  $\eta^*(\omega 0.01)$  measured at an angular velocity  $\omega$  of 0.01rad/s to the viscosity  $\eta^*(\omega 100)$  measured at an angular velocity  $\omega$  of 100rad/s is at least 50:1 in the frequency-dependent viscoelasticity measurement thereof at 200° C. A high-molecular rubber component, a crystalline polypropylene component and a low-molecular rubber component are produced in order, thus producing the objective copolymer.



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